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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

YEAP, Tet Hin

International Serial No. PCT/CA98/00816 Group Art Unit: N/A

Filed: August 28, 1998 Examiner: N/A

For: DIGITAL TRANSMISSION USING SUBBAND CODING

The Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Before calculating the official filing fees, kindly amend the application as follows:

IN THE CLAIMS

Amend claims 1 through 58 and add new claims 59 through 76 as follows:

1. (Amended) Apparatus comprising an encoder (12) for encoding a digital input signal for transmission or storage and a decoder (17) for decoding such encoded signal to reconstruct the input signal, the encoder comprising analysis filter bank means (21) for analyzing the input signal into a plurality of subband signals, each subband centered at a respective one of a corresponding plurality of frequencies, interpolation means (22;62) for upsampling and interpolating each subband signal to provide a plurality of interpolated subband signals all occupying the same frequency band; and combining means (23;60;74) for combining the interpolated subband signals to form the encoded signal for transmission or storage; and the decoder comprising synthesis filter bank means (33) complementary to said analysis filter bank means for producing a decoded signal corresponding to a reconstruction of the input signal, extraction means (31;71;81) for extracting the interpolated subband signals from the received encoded signal; and decimator means (32;70) for decimating each of the plurality of extracted interpolated subband signals to remove a number of samples corresponding to those interpolated during encoding and applying the decimated signals to